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Fig. 3

SEQ ID NO: 2

			• •	1	
	MDTSRLGVLL	SLPVLLQLAT	GGSSPRSGVL	LRGCPTHCHC	EPDGRMLLRV
5	DCSDLGLSEL	PSNLSVFTSY	LDLSMNNISQ	LLPNPLPSLR	FLEELRLAGN
	ALTYIPKGAF	TGLYSLKVLM	LQNNQLRHVP	TEALQNLRSL	QSLRLDANHI
	SYVPPSCFSG	LHSLRHLWLD	DNALTEIPVQ	AFRSLSALQA	MTLALNKIHH
	IPDYAFGNLS	SLVVLHLHNN	RIHSLGKKCF	DGLHSLETLD	LNYNNLDEFP
	TAIRTLSNLK	ELGFHSNNIR	SIPEKAFVGN	PSLITIHFYD	NPIQFVGRSA
10	FQHLPELRTL	TLNGASQITE	FPDLTGTANL	ESLTLTGAQI	SSLPQTVCNQ
	LPNLQVLDLS	YNLLEDLPSF	SVCQKLQKID	LRHNEIYEIK	VDTFQQLLSL
	RSLŅLAWNKI	AIIHPNAFST	LPSLIKLDLS	SNLLSSFPIT	GLHGLTHLKL
	TGNHALQSLI	SSENFPELKV	IEMPYAYQCC	AFGVCENAYK	ISNQWNKGDN
15	SSMDDLHKKD	AGMFQAQDER	DLEDFLLDFE	EDLKALHSVQ	CSPSPGPFKP
	CEHLLDGWLI	RIGVWTIAVL	ALTCNALVTS	TVFRSPLYIS	PIKLLIGVIA
	AVNMLTGVSS	AVLAGVDAFT	FGSFARHGAW	WENGVGCHVI	GFLSIFASES
	·SVFLLTLAAL	ERGFSVKYSA	KFETKAPFSS	LKVIILLCAL	LALTMAAVPL
	LGGSKYGASP	LCLPLPFGEP	STMGYMVALI	LLNSLCFLMM	TIAYTKLYCN
	LDKGDLENIW	DCSMVKHIAL	LLFTNCILNC	PVAFLSFSSL	INLTFISPEV
20	IKFILLVVVP	. LPACLNPLLY	ILFNPHFKED	LVSLRKQTYV	WTRSKHPSLM
	SINSDDVEKQ	SCDSTQALVT	FTSSSITYDL	PPSSVPSPAY	PVTESCHLSS
	VAFVPCL	•			

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Fig. 4 (1/2)

	LGR5 SEQ ID NO: 2	MDTSRLGVLLSLPVLLQLATGGSSPRSGVLLRGCPTHCHCEPDGRMLLRVDCSDLGLSELPSNLSVFTSYLDLSMNNISQ
	LGR6 SEQ ID NO: 3	
5	LGR4 SEO ID NO: 4	MPGPLGLLCFLALGLLGSAGPSGAAPPLCAAPCSCDGDRRVDCSGKGLTAVPEGLSAFTQALDISMNNITQ
	Consensus/80%	b.L.h.Gpts.tGsss.pps.sc
	LGR5	Llpnplpslrfleelrlagnæltyipkgaftglyslkvlmlqnnqlrhvptealqnlrslqslrldanhisyvppscfsg
	LGR6	LQPGLFHHLRFLEELRLSGNHLSHIPGQAFSGLYSLKILMLQNNQLGGIPAEALWELPSLQSL
10	LGR4	LPEDAFKNFPFLEELQLAGNDLSFIHPKALSGLKELKVLTLQNNQLKTVPSEAIRGLSALQSLRLDANHITSVPEDSFEG
	Consensus/80%	Ls.b.pb.FLEELpLtGN.L*aIAb*GLbpLKlLhLQNNQL.hlPsEAlb.L.tLQSL
	lgr5 .	LHSTRHTMTDDNATTEIDATERSTSATÖMALTFUNKIHHIDDATENTSETANTHTHHUNKIHSTEKKCEDETHSTETTD
4 14	LGR6	LYQLRHLWLDDNSLTEVPVHPLSNLPTLQALTLALNKISSIPDFAFTNLSSLVVLHLHNNKIRSLSQHCFDGLDNLETLD
15 .	LGR4	LYQLKHLWLDDMSDIBVEVRE HSMILLINGMINING DECEMBER 1990
	Consensus/80%	***************************************
·	LGR5	LnynnldefptairtlsnlkelgfhennirsipekafvgnpblitihfydnpiQfvgrbafQhlpelrtltlngasQite
	LGR6	Lnynklqefpvairtlgrlqelgehnnnikaipekafmgnpllqtihfydnpiqfvgrsafqylpklhtlslngamdiqe
20	LGR4	Lnynnlgefpqaikalpslkeigfh8nsi8vipdgafdgnpllrtihlydnplsfvgnsafhnlsdlhslvirgasmvqq
20	Consensus/80%	LNYNPL.EFP.AI+aLapLpELGFHaNaIpaIPAF.GNP.LbTIHbYDNPlpFVGpSAFp.LacL+*LalpGAlpp
	LGR5	FPDLTGTANLESLTLTGAQISSLPQTVCNQLPNLQVLDLSYNLLEDLPSFSVCQKLQKIDLRHNEIYEIKVDTFQQLLSL
	LGR6	FPDLKGTTSLEILTLTRAGIRLLPSGMCQQLPRLRVLELSHNQIEELPSLHRCQKLEEIGLQHNRIWEIGADTFSQLSSL
25	LGR4	FPNLTGTVHLESLTLTGTKISSIPNNLCQEQKMLRTLDLSYNNIRDLPSFNGCHALEEISLQRNQIYQIKEGTFQGLISL
20	Consensus/80%	FPsLpGTspLE.LTLT.s.Ip.lPpshCppbLpsL-LSaN.lc-LPSbp.Cp.LpcIsLp+NpIspIsTFp.L.SL
	. LGR5	RSLNLAWNKIAIIHPNAFSTL PSLIKLDLSSNLLSSFPITGLHGLTHLKLTGNHALQSLISSENFPELKVIEMPYAYQCC
	LGR6	QALDLSWNAIRSIHPEAFSTLHSLVKLDLTDNQLTTLPLAGLGGLMHLKLKGNLALSQAFSKDSFPKLRILEVPYAYQCC
30	LGR4	RILDLSRNLIHEIHSRAFATLGPITNLDVSFNELTSFPTEGLNGLNQLKLVGNFKLKEALAAKDFVNLRSLSVPYAYQCC
30	Consensus/80%	p.LsLtbN.IIHspAFtTL.slhpLDl*.NbL**bPh.GL.GL.pLKL.GNb.Lpphbt.csFspL+.lphPYAYQCC
	LGR5	AFGVCENAYKISNQWNKGDNSSMDD-LHKKDAGMFQAQDERDLEDFLLDFEEDLKALHSVQCSPSPGPFKPCEHLL
	LGR6	PYGMCASFFKASGQWEAEDLHLDDEESSKRPLGLLARQAENHYDQDLDELQLEMEDS-KPHPSVQCSPTPGPFKPCEYLF
35	LGR4	AFWGCDSYANLNTEDNSLQDHSVAQEKGKCMSTADAANVTSTLENEEHSQIIIHCTPSTGAFKPCEYLL
22	Consensus/80%	sahhC.shhphsD.pDcpc.h.hbsphpbEpp.+sblpC*P*sGsFKPCEaLb
	902011.2437 00 0	•
	LGR5	dgwlirigvwtiavlaltcnalvtstvfr-splyispiklligviaavnmltgvssavlagvdaftfgsfarhgawweng
	LGR6	ESWGIRLAVWAIVLLSVLCNGLVLLTVFAGGPVPLPPVKFVVGAIAGANTLTGISCGLLASVDALTFGQFSEYGARWETG
40	LGR4	GSWMIRLTVWFIFLVALFFNLLVILTTFA-SCTSLPSSKLFIGLISVSNLFMGIYTGILTFLDAVSWGRFAEFGIWWETG
	Consensus/80%	.tWhIRlsVWhIhlltlhhNhLVh.TsFtsh.lss.KbhlGhItssNhbhGl.stlLs.lDAh*aGpFtcaGhbWEsG

continued as Fig. 4 (2/2)

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Fig. 4 (2/2)

continued from Fig. 4 (1/2)

5		
	LGR5	vgchvigflsifasessvflltlaalergfsvkysakfetkapfs9lkviillcallaltmaavpllggskygasplclp
•	LGR6 .	lgcratgflavlgseasvllitlaavqcsvsvscvraygkspslgsvragvlgclalaglaaalplasvgeygasplclp
	LGR4	sgckvagflavf85e8a1fllmlatverslsakd1mkngk9nhlkQfrvaallaflgatvagcfplfhrgeYsasplclp
	Consensus/80%	.GC+shGFLtlbtSEttlbLLhLAslppthSsppps.b.ph+shhLhshhhAhhhtshPLhtoYtASPLCLP
10		
	LGR5	LPFGEPSTMGYMVALILLNSLCFLMMTIAYTKLYCNLDKGDLENIWDC6MVKHIALLLFTNCILNCPVAFLSF6SLIN
	LGR6	YAPPEGQPAALGFTVALVMMNSFCFLVVAGAYIKLYCDLPRGDFEAVWDCAMVRHVAWLIFADGLLYCPVAFLSFASMLG
	LGR4	FPTGETPSLGFTVTLVLLNSLAFLLMAVIYTKLYCNLEKEDLSENSQSSMIKHVAWLIFTNCIFFCPVAFFSFAPLIT
	Consensus/80%	P.GpssbGahVsLlbbNSbsFLhhshhYhKLYCsL.+.DbppstMl+HLAbLlFssslb.CPVAFbSFtsbls
15		
	LGR5	LTFISPEVIKFILLVVVPLPACLNPLLYILFNPHFKEDLVSLRKQTYVWTRSKHPSLMSINSDDVEKQSCDSTQ
	LGR6	LFPVTPEAVKSVLLVVLPLPACLNPLLYLLFNPHFRDDLRRLRPRAGDSGPLAYAAAGELEKSSCDSTQ
	LGR4	AISISPEIMKSVTLIFFPLPACLNPVLYVFFNPKFKEDWKLLKRRVTKKSGSVSVSISSQGGCLEQDFYYDCGMYSHLQG
	Consensus/80%	hh.1*pEhhK.1hLlhhPLPACLNP1LY1bFNP+F+-DbL+.pt.psslstspchDsp.
20		
	LGR5	ALVTFTSSSITYDLPPSSVPSPAYPVTESCHLS
•	LGR6	ALVAFBDVDLILEASEAGRPPGLETYGFPSVTLISCQQPGAPRLEGSHCVEPEGNHFGNPQP9MDGELLLRAEGSTPAGG
	LGR4	NLTVCDCCESFLLTKPV6CKHLIKSH5CPALAVA5CQRPEGYW5DCGTQ5AH5DYADEED5FV5D55DQVQACGRACFYQ
	Consensus/80%	sLsshsssp.hb.hsSs.pP.hssp.s
25		
	LGR5	SVAFVPCL
	LGR6	GLEGGGGFQPSGLAFASHV
	LGR4	SRGFPLVRYAYNLPRVKD-
	Consensus/80%	slsbs.p.
		\cdot

30